

Igniting Innovation through imagination and learning

Project Lead the Way (PLTW) prepares students to be the most productive and innovative leaders in science, technology, engineering, and mathematics (STEM) and to make meaningful, pioneering contributions to our world. PLTW partners with middle schools and high schools to provide a rigorous, relevant STEM education. Through an engaging, hands-on curriculum, PLTW encourages the development of problem solving skills, critical thinking, creative and innovative reasoning, and a love for learning. The PLTW middle and high school STEM education programs give students a brighter future by providing them with a foundation and proven path to college and career success in STEM-related fields. STEM education is at the heart of today's hi-tech, high-skill global economy. The gateway academy at Riley High School offers the perfect opportunity for students to explore their interests in a STEM field.

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<http://www.smeef.org> or
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James Whitcomb Riley High School
1902 S. Fellows St.
South Bend, IN 46613

Riley Gateway Academy

July 25th— July 30th

Riley Engineering Magnet

Full STEM Ahead. Powered by PLTW

Gateway Academy Summer Day Camp utilizes PLTW's project-based, hands on and real-world problem-solving approach to STEM learning that's designed to nurture kids' imaginations, inspire creativity and develop self-confidence. As a result, the educational activities found at a Gateway Academy camp thoroughly engage boys and girls of all backgrounds, igniting their passion and fueling interest in understanding how things work, while significantly advancing their skills in STEM subjects. Many campers will continue their experience through Riley High School's Engineering Magnet which utilizes PLTW's pathway to engineering



Possible Activities

- Build a wind power generator
- Build and race a car that runs solely on solar energy
- Fire projectiles from a mousetrap powered catapult
- Design, build, and test a rocket for maximum possible altitude and a perfect landing, with the help of Autodesk Inventor 3d modeling software.
- Use a laser engraver to make their designs come to life.
- Rapid prototyping their designs using a state of the art 3d printer.
- Many more team building exercises.

All of these activities are offered at Riley High School's state of the art Project Lead the Way labs, known nationally as the "Innovation Zone".



Moms and Dads, Mark Your Calendars

July 25 – 29th
8:00 am – 2:00 pm

Who: students entering 7th or 8th grade

Where: Riley High School
Cost: \$35

Students will need to bring a sack lunch

Summer will be here sooner than you think! So if your child is entering 7th or 8th grade, is curious about the way things work and is into having fun, learning something new and making new friends, then you'll want to sign them up soon.